

GIPSA Performance Verified Rapid Test Kits for Analysis of Mycotoxins

The following table reflects kits that were submitted to GIPSA by kit manufacturers. Kit performance as claimed by the manufacturer was verified by GIPSA.

Company	Test Kit	Part Number	Test Type	Test Kit Range	Test Format	Identified Commodities
Charm Sciences, Inc.	ROSA® Aflatoxin P/N	LF-AFPN	Aflatoxin (qualitative)	Screens @ 20 ppb	Lateral Flow Strip	Corn
Charm Sciences, Inc.	ROSA® Aflatoxin (Quantitative)	LF-AFQ-100	Aflatoxin (quantitative)	5 - 100 ppb	Lateral Flow Strip	Corn
Diagnostix	EZ-Quant Plate Kit	600312	DON (quantitative)	0.5 - 5 ppm	Microtiter Well Plate Assay	Wheat, Barley, Malted Barley, Corn
Diagnostix	EZ-Quant 0.5 Plate Kit	600313	DON (quantitative)	0.5 - 2.5 ppm	Microtiter Well Plate Assay	Barley, Malted Barley
EnviroLogix, Inc.	QuickTox ^(TM) Kit for Aflatoxin in Corn	AS 101 BG	Aflatoxin (qualitative)	Screens @ 20 ppb	Lateral Flow Strip	Corn
International Diagnostic-Distributed by Romer	Afla-20-Cup	COKAC1020	Aflatoxin (qualitative)	Screens @ 20 ppb	Solid Phase Immunoassay	Corn
Neogen Corporation	Agriscreen	8810	Aflatoxin (qualitative)	Screens @ 20 ppb	Microtiter Well Plate Assay	Corn
Neogen Corporation	Reveal for Aflatoxin	8015	Aflatoxin (qualitative)	Screens @ 20 ppb	Lateral Flow Strip	Corn
Neogen Corporation	Veratox-AST	8041	Aflatoxin (quantitative)	5 - 300 ppb	Microtiter Well Plate Assay	Corn, Corn Meal, Corn Germ Meal, Corn Gluten Meal, Corn Meal, Corn/Soy Blend, Milled Rice, Popcorn, Sorghum, Soybeans, Wheat
Neogen Corporation	Veratox	8030	Aflatoxin (quantitative)	5 - 50 ppb	Microtiter Well Plate Assay	Corn, Corn Meal, Milled Rice, Corn Gluten Meal, Corn Soy Blend
Neogen Corporation	Agriscreen	8310	DON (qualitative)	Screens @ 1.0 ppm	Microtiter Well Plate Assay	Barley, Corn, Oats, Wheat, Malted Barley
Neogen Corporation	Veratox 5/5	8331	DON (quantitative)	0.5 - 5 ppm	Microtiter Well Plate Assay	Wheat, Barley, Malted Barley, Oats, Corn
Neogen Corporation	Veratox	8330	DON (quantitative)	0.5 - 5 ppm	Microtiter Well Plate Assay	Barley, Malted Barley, Corn, Oats, Wheat
Neogen Corporation	Veratox	8830	Fumonisin (quantitative)	0.5 - 5 ppm	Microtiter Well Plate Assay	Corn, Corn Meal, Popcorn, Rough Rice, Corn/Soy Blend, Wheat
R-Biopharm	Ridascreen FAST	R5202	Aflatoxin (quantitative)	5 - 300 ppb	Microtiter Well Plate Assay	Corn, Milled Rice, Popcorn, Corn Meal, Cracked Corn, Wheat, Soybean, Corn Germ Meal, Corn Gluten Meal, Corn Soy Blend, Sorghum
R-Biopharm	Ridascreen FAST SC	R6001	Aflatoxin (quantitative)	5 - 100 ppb	Microtiter Well Plate Assay	Corn, Corn Meal, Corn Flour, Wheat, Cracked Corn, Corn Soy Blend, Popcorn, Corn Gluten Meal, Soybeans, Sorghum, Corn Germ Meal
R-Biopharm Rhone Ltd.	AFLACARD T20	P57	Aflatoxin (qualitative)	Screens @ 20 ppb	Enzyme Immunoassay	Corn
R-Biopharm	Ridascreen FAST	R5901 (96 wells) R5902 (48 wells)	DON (quantitative)	0.5 - 5 ppm	Microtiter Well Plate Assay	Wheat, Barley, Malted Barley, Oats, Corn
R-Biopharm	Ridascreen FAST	R5602	Fumonisin (quantitative)	0.5 - 5 ppm	Microtiter Well Plate Assay	Corn, Corn Meal, Sorghum, Corn Gluten Meal, Corn Germ Meal, Corn/Soy Blend
Romer	AgraStrip™ Total (20 ppb)	COKAS1000	Aflatoxin (qualitative)	Screens @ 20 ppb	Lateral Flow Strip	Corn
Romer	FluoroQuant	COKFA1060	Aflatoxin (quantitative)	5 - 300 ppb	Rapid, Fluorometric, Solid Phase Cleanup	Corn, Corn Meal, Milled Rice, Popcorn, Sorghum, Wheat, Corn/Soy Blend, Soybeans
Romer	FluoroQuant	COKFD1050	DON (quantitative)	0.5 - 5 ppm	Fluorometric Solid Phase Clean-up	Barley, Malted Barley, Corn, Oats, Wheat

Company	Test Kit	Part Number	Test Type	Test Kit Range	Test Format	Identified Commodities
Romer	AccuTox	COKAD1014	DON (quantitative)	0.5 - 5 ppm	ELISA Based Antibody Coated Tubes	Barley, Corn, Malted Barley, Oats, Wheat, Wheat Flour, Wheat Midds
Strategic Diagnostics, Inc.	Myco✓	7000125	Aflatoxin (quantitative)	5 - 300 ppb	Microtiter Well Plate Assay	Corn, Corn Meal, Corn Soy Blend, Sorghum, Popcorn
Strategic Diagnostics, Inc.	Myco✓	7000135	DON (quantitative)	0.5 - 3 ppm	Microtiter Well Plate Assay	Wheat, Barley, Malted Barley, Oats, Corn
Strategic Diagnostics, Inc.	Myco✓	7000130	Fumonisin (quantitative)	0.5 - 5 ppm	Microtiter Well Plate Assay	Corn, Corn Meal, Corn Germ Meal
Vicam	Aflatest	12022	Aflatoxin (quantitative)	5 - 300 ppb	Immunoaffinity Column	Corn, Corn Germ Meal, Corn Gluten Feed, Corn Gluten Meal, Corn Meal, Corn/Soy Blend, Milled Rice, Popcorn, Sorghum, Soybeans, Wheat, Flaking Corn Grits
VICAM	DON FQ	DFQ800	DON (quantitative)	0.5 - 5 ppm	Fluorometric Solid Phase Clean-up	Barley, Malted Barley, Corn, Oats, Wheat
VICAM	FumoniTest	G1029	Fumonisin (quantitative)	0.5 - 5 ppm	Rapid, Fluorometric, Solid Phase Cleanup	Corn, Corn Meal, Corn Soy Blend, Corn Germ Meal, Soorghum, Popcorn, Flaking Corn Grits

GIPSA Performance Verified Rapid Test Kits for Analysis of Biotechnology Derived Grains

The following table reflects kits that were submitted to GIPSA by kit manufacturers. Kit Performance as claimed by the manufacturer was verified by GIPSA.

Company	Test Kit	Part Number	Event/Protein Analyte	Test Sensitivity	Test Format
Agdia, Inc.	Roundup Ready® ImmunoStrip™	STX- 74000	Roundup Ready Protein CP4EPSPS	1 in 800 corn kernels	Lateral Flow Strip
EnviroLogix Inc.	Cry9C ELISA Plate Kit, High Sensitivity Protocol	AP 008	StarLink/Cry9C	1 in 10,000 corn kernels	Microtiter Well Plate Assay
EnviroLogix Inc.	Cry9C ELISA Plate Kit, Rapid Protocol	AP 008	StarLink/Cry9C	1 in 2400 corn kernels	Microtiter Well Plate Assay
EnviroLogix Inc.	QuickStix™ Strips for Cry9C (StarLink)	AS 008 BG	StarLink/Cry9C	1 in 800 corn kernels	Lateral Flow Strip
EnviroLogix, Inc.	QuickStix™ Strips for Roundup Ready® in Soybeans	AS 010 BG	Roundup Ready® protein, CP4 EPSPS	1 in 1,000 soybeans	Lateral Flow Strip
EnviroLogix, Inc.	QuickStix™ Strips for Roundup Ready® in Corn	AS 010 BG	Roundup Ready® protein, CP4 EPSPS	1 in 200 corn kernels	Lateral Flow Strip
EnviroLogix Inc.	QuickStix™ Kit for YieldGard® Rootworm Bulk Seed	AS 015 BG	Cry3Bb	1 in 200 corn kernels	Lateral Flow Strip
Neogen Corporation	Reveal® for CP4 (Roundup Ready®)	8005	Roundup Ready Protein CP4 EPSPS	1 in 800 corn kernels 1 in 1000 soybeans	Lateral Flow Strip
Strategic Diagnostics, Inc.	Traitv™ Bt9 Corn Grain Test kit	7000012	StarLink/Cry9C	1 in 800 corn kernels	Lateral Flow Strip
Strategic Diagnostics, Inc.	Traitv™ Cry3Bb Corn Grain Test kit	7000041	Cry3Bb (YieldGard Rootworm®)	1 in 800 corn kernels	Lateral Flow Strip
Strategic Diagnostics, Inc.	Traitv™ RUR Bulk Soybeans 5-Minute Test Kit	700014	Roundup Ready Protein CP4 EPSPS	1 in 1000 soybeans	Lateral Flow Strip
Strategic Diagnostics, Inc.	Traitv™ Bt1F Corn Grain Test Kit	7000018	Cry1 F (Herculex™)	1 in 600 corn kernels	Lateral Flow Strip

^{1/} Sensitivity of 1 in 400 kernels requires a 10-minute development time. Sensitivity of 1 in 800 kernels requires a 20-minute development time.

Test Kit Specified Readers

Company	Test Kit	Type of Test	Type of Reader	Specified Reader(s)
Charm Sciences, Inc.	ROSA® Aflatoxin (Quantitative)	Aflatoxin	Reflectance Based	ROSA-M
Diagnostix	EZ-Quant DON	DON	Microwell Reader	BioTek EL 301
Diagnostix	EZ-Quant 0.5 ppm DON	DON	Microwell Reader	BioTek EL 301
Romer	DON Fluoroquant	DON	Fluorometer	Romer RL-100, Vicam Series III, Vicam Series IV, Torbex 100, and Vicam FX-100
Romer	DON Accutox	DON	Spectrophotometer	Hach
Vicam	DON FQ	DON	Fluorometer	Romer RL-100, Vicam Series III, Vicam Series IV, Torbex 100, and Vicam FX-100
Neogen	AgriScreen	DON	Microwell Reader	Bio Tek EL 301
Neogen	Vomitoxin Veratox	DON	Microwell Reader	Bio Tek EL 301
Neogen	Veratox DON 5/5	DON	Microwell Reader	Stat-Fax Model 321 PLUS
Strategic Diagnostics	Myco✓ Don	DON	Microwell Reader	Hyperion Microreader 3 Model 4027-002
R-Biopharm	Ridascreen Fast DON	DON	Microwell Reader	BioTek EL 301, Hyperion Microreader 3 Model 4027-002, Stat-Fax Model 303 PLUS
Vicam	Aflatest	Aflatoxin	Fluorometer	Romer RL-100, Vicam Series III, Vicam Series IV, and Vicam Model MF-2000
Romer	Aflatoxin Fluoroquant	Aflatoxin	Fluorometer	Romer RL-100, Vicam Series III, and Vicam Series IV
Strategic Diagnostics	Myco✓ Aflatoxin	Aflatoxin	Microwell Reader	Hyperion Microreader 3 Model 4027-002
Neogen	Veratox-AST	Aflatoxin	Microwell Reader	BioTek EL 301
Neogen	veratox Quantitative	Aflatoxin	Microwell Reader	BioTek EL 301
Neogen	Fumonisin	Fumonisin	Microwell Reader	Stat-Fax Model 321 PLUS
R-Biopharm	Ridascreen Fast Fumonisin	Fumonisin	Microwell Reader	BioTek EL 301, Hyperion Microreader 3 Model 4027-002, Stat-Fax Model 303 PLUS
Strategic Diagnostics	Myco✓ Fumonisin	Fumonisin	Microwell Reader	BioTek EL 301, Hyperion Microreader 3 Model 4027-002